

**What is claimed is:**

1. A recording device recording data in the form of marked phase and unmarked phase on a recording medium, a minimum length of marked phase or unmarked phase being shorter than  $2T$ ,  $T$  being a channel bit clock.

2. A recording medium, wherein a minimum length of marked phase is shorter than  $3T$ ,  $T$  being a channel bit clock.

3. A recording medium of claim 2, wherein the minimum length of marked phase is  $2T$ .

4. A device for reproducing data recorded on an optical recording medium, comprising:

a pickup reading data recorded on the optical recording medium, wherein the data recorded on the optical recording medium includes a pit or a space having a minimum length, said minimum length is  $2T$ ,  $T$  is a channel bit clock; and

a signal processor processing data read from the pickup and demodulating the data.